

Product Datasheet

RecombinantNoggin,Human(CHO-expressed) (orb1494674)

Description	Noggin, also known as NOG, is a homodimeric glycoprotein that binds to and modulates the activity of TGF-beta family ligands. It is expressed in condensing cartilage and immature chondrocytes. Noggin antagonizes bone morphogenetic protein (BMP) activities by blocking epitopes on BMPs needed for binding to their receptors. Noggin has been shown to be involved in many developmental processes, such as neural tube formation and joint formation. During development, Noggin diffuses through extracellular matrices and forms morphogenic gradients, regulating cellular responses dependent on the local concentration of the signaling molecule.
Endotoxins	< 0.2 EU/μg, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	Lyophilized recombinant human Noggin remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, human Noggin should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH ₂ O or PBS at 100 μg/ml.
Protein Sequence	QHYLHIRPAPSDNLPLVDLIEHPDPIFDPKKDLNETLLRSLLGGHYDPGFMATSPPEDR PGGGGAAGGAEDLAELDQLLRQPSGAMPSEIKGLEFSEGLAQGKKQRLSKLRRKLQM WLWSQTFPCVLYAWNDLGSRFWPRYVKVGSCFSKRSCSVPEGMVCKPSKSVHLTVLRWR C QRRGGQRCGWIPYPIISECKCSC
Purity	> 95% as analyzed by SDS-PAGE.
Source	CHO
MW	29-31kDa, observed by reducing SDS-PAGE.

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Expiration Date

6 months from date of receipt.

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